PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference DAK/HC/P9038WO		of Transmittal of International Search Report 220) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/GB 03/00839	28/02/2003	31/07/2002
Applicant XP PLC		
according to Article 18. A copy is being	peen prepared by this International Searching Aut g transmitted to the International Bureau.	hority and is transmitted to the applicant
l ———	sts of a total of7 sheets. by a copy of each prior art document cited in this	report.
Basis of the report		
	the international search was carried out on the bar unless otherwise indicated under this item.	sis of the international application in the
the international searc Authority (Rule 23.1(b	h was carried out on the basis of a translation of t)).	he international application furnished to this
was carried out on the basis o	·	nternational application, the international search
\	ational application in written form. international application in computer readable fon	m
l 😕 .	by to this Authority in written form.	
	by to this Authority in computer readble form.	•
the statement that the	subsequently furnished written sequence listing on as filed has been furnished.	does not go beyond the disclosure in the
l <u>—</u>		s identical to the written sequence listing has been
2. Certain claims were	found unsearchable (See Box I).	
3. Unity of invention is	lacking (see Box il).	
4. With regard to the title,		
ı <u>⊒</u> ∵	s submitted by the applicant.	
]	ablished by this Authority to read as follows:	_
UNINTERRUPTIBLE POW	ER SUPPLY APPARATUS AND METHOI	
5. With regard to the abstract,		
x the text has been esta	s submitted by the applicant. ablished, according to Rule 38.2(b), by this Author n the date of mailing of this international search re	
6. The figure of the drawings to be	oublished with the abstract is Figure No.	1
as suggested by the a	applicant.	None of the figures.
X because the applican	t failed to suggest a figure.	
because this figure be	etter characterizes the invention.	

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

An uninterruptible power supply device (114) for supplying electrical energy to one of an array of loads (112) having a broad range of power requirements, the uninterruptible power supply device (114) including: at least one power means (118) for providing electrical energy for the said one load (112), and control means (116), connected to the or each power means (118) and the load (112) wherein; the or each power means (118) incorporates a plurality of electrical potential energy storage units (124), and the control means (116) is arranged to connect the electrical potential energy storage units (124) according to the power required by the load (112), the same power means being employable for each one of the array of loads (112).

INTERNATIONAL SEARCH REPORT

PC1 03/00839

A.	CLAS	SIFICATION			JECT	MA	TTE
T	ንሮ 7	H02.	19	/คร			

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) $I\,PC\,\,7\,\,\,H02J$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
WO 01/061822 A (LIEBERT CORP) 23 August 2001 (2001-08-23) page 3, line 2 - page 6, line 17; figures 2,3	1,2, 17-19,30
page 6, line 29 - page 7, line 4 page 11, line 1 - page 12, line 2	
	3,15
US 5 332 927 A (PAUL STEVEN ET AL) 26 July 1994 (1994-07-26) column 6, line 62 - column 7, line 17; figure 3	28
	3,15
	WO 01/061822 A (LIEBERT CORP) 23 August 2001 (2001-08-23) page 3, line 2 - page 6, line 17; figures 2,3 page 6, line 29 - page 7, line 4 page 11, line 1 - page 12, line 2 page 24, line 23 - page 25, line 7 US 5 332 927 A (PAUL STEVEN ET AL) 26 July 1994 (1994-07-26) column 6, line 62 - column 7, line 17; figure 3 column 10, line 16 - line 29

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
25 November 2003	0 5. 02. 04
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016	Authorized officer Lorenzo Feijoo, S

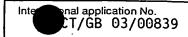
INTERNATIONAL SEARCH REPORT

International Application No
PCT 03/00839

		PC1) 03/00839
C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to daim No.
Х	US 6 295 215 B1 (AKBARI EDWARD ET AL) 25 September 2001 (2001-09-25) column 5, line 66 - line 39; figure 3	30
X	WO 01/093403 A (VARENNES CHRISTIAN DE;DUGUAY LOUIS (CA); GOT PIERRE (CA); ASTEC I) 6 December 2001 (2001-12-06) abstract; figure 1 page 1, line 12 - line 35 page 5, line 19 - page 7, line 8	1
Α	WO 01/073914 A (EDEVOLD CRAIG ;LAYDEN DAVID (US); POWERWARE CORP (US); WINCH CARY) 4 October 2001 (2001-10-04) abstract paragraph [0005] - paragraph [0006] paragraph [0062]	
Α	GB 1 515 577 A (MASSACHUSETTS INST TECHNOLOGY) 28 June 1978 (1978-06-28) abstract page 1, line 13 - line 39 column 3, line 98 - line 112	
A	DE 42 37 835 A (SIEBERTH WULF DIETRICH DIPL IN ;DURAS JOCHEN DIPL ING (DE)) 5 May 1994 (1994-05-05) the whole document	
Α	US 5 994 795 A (GABILLET JEAN-PAUL) 30 November 1999 (1999-11-30) column 1, line 44 - line 59; figure 2A	

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Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This Inte	ernational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. 🔀	Claims Nos.: 3.7 because they relate to subject matter not required to be searched by this Authority, namely:
2.	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This Inter	rnational Searching Authority found multiple inventions in this international application, as follows:
	see additional sheet
1.	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
з	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. X r	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-19, 21, 28-30
Remark o	The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-19, 21, 28-30

1.1. claims: 1-14, 21

UPS device comprising power means and control means; the power means incorporates a plurality of electrical energy storage means, each storage unit providing the same electrical potential energy; the control means is arranged to connect the electrical potential storage units according to the power required by the load, the same power means being employable for each one of the array of the loads.

1.2. claims: 28-29; 15-16

Provision of dual mains input for an UPS

1.3. claims: 30; 17-19

Provision of bypass capability for an UPS

2. claims: 31-33; 22-24

Provision of a rotating LCD display unit for an UPS

3. claims: 34-36; 20; 25-27

Provision of multi-format design for an UPS: modular units being configurable into rack-mount or standalone format

INTERNATIONAL SEARCH REPORT

formation on patent family members

International Application No PC 03/00839

Patent document	Publication		Patent family		. Publication
cited in search report	date		member(s)		date
WO 0161822 A	23-08-2001	AU EP WO US	4155901 1258070 0161822 2001033502	A2 A2	27-08-2001 20-11-2002 23-08-2001 25-10-2001
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